

REMARKS

The Rejections under 35 USC § 103(a)

The pending claims have been rejected under 35 U.S.C. § 103(a) as being unpatentable over various combinations of Korean Patent Application Publication No. 1020020078535 to *Shin* (“*Shin*”), U.S. Patent Application Publication No. 2001/0026125 to *Yamazaki et al.* (“*Yamazaki 1*”), U.S. Patent Application Publication No. 2003/0170944 to *Kimura*. (“*Kimura*”), and U.S. Patent No. 6,013,930 to *Yamazaki et al.* (“*Yamazaki 2*”). Applicant respectfully traverses, noting that none of the references, singly or in combination, discloses every element of the claims as amended. More specifically, none discloses a pixel electrode disposed on the same layer as a data wire, where this pixel electrode contacts a polysilicon layer.

Shin at most discloses an anode electrode 200 and semiconductor layer 130 that are connected via an intervening source/drain electrode 175 (Abstract; final Figure). That is, the anode electrode 200 at most contacts source/drain electrode 175, not semiconductor layer 130. None of the remaining references cures this deficiency of *Shin*. *Yamazaki 1* discloses a pixel electrode 40 and drain region 32 that are connected via intervening drain wiring 37 ([0087], [0098]; FIG. 6). *Kimura* discloses a pixel electrode 5083 connected to its source/drain by an intermediate connecting wiring 5082 (e.g., FIGS. 10A-B). Finally, *Yamazaki 2* discloses pixel electrodes 69 connected to semiconductor layer 111 through an intervening electrode 113 (e.g., Cols. 11:58-65, 25:52-58; FIGS. 2B, 19B).

Accordingly, none of the above references appears to disclose any pixel electrode disposed on the same layer as a data wire, where this pixel electrode also contacts a polysilicon layer. Claim 1 as amended is thus patentable over each of the above references, singly or in combination, for at least the reason that it recites “a polysilicon layer” and “a pixel electrode disposed on the same layer as the data wire,” “wherein the pixel electrode contacts the polysilicon layer.” The remaining claims each depend from claim 1, and are thus each also patentable for at least this same reason.

CONCLUSION

Based on the foregoing, claims 1-6 and 10-13 are now believed to be in condition for allowance. The Director is hereby authorized to charge any additional fees, or credit any overpayment, to Deposit Account No. 50-5029. Please telephone the undersigned attorney at (408) 331-1671 if there are any questions.

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